

## CLAIMS

### I CLAIM:

1. An ostomy device comprising a thin, flexible membrane, means for securing said membrane to the tissue surrounding the stoma and means for pressing said membrane against the stoma to seal the stoma.
2. The device of Claim 1 wherein said membrane has an edge and wherein said securing means comprises an adhesive layer on said membrane edge.
3. The device of Claim 1 wherein said pressing means comprises a member situated over and sealed to said membrane so as to form an internal chamber which can be pressurized to press said membrane against the stoma.
4. The device of Claim 3 further comprising means for pressurizing said internal chamber.
5. An ostomy device comprising a cap formed of a wall with an edge, means for adhering said edge to the tissue surrounding the stoma and sealing means situated within said cap, proximate the stoma, said sealing means defining an internal chamber with said cap, said internal cavity being pressurizable to press said said sealing means against the stoma.
6. The device of Claim 5 wherein said sealing means comprises a flexible membrane.
7. The device of Claim 6 wherein said membrane has an edge, said edge being fixed to the interior of said cap.
8. The device of Claim 5 further comprising means for pressurizing said internal cavity.

9. The device of Claim 8 wherein said pressurizing means comprises means in said cap for permitting entrance of fluid into said internal cavity.
10. The device of Claim 9 wherein said means in said cap for permitting the entrance of fluid into said internal cavity comprises an inlet port and a one-way valve associated with said inlet port.
11. The device of Claim 8 wherein said pressurizing means comprises a pump device integral with said cap.
12. The device of Claim 8 wherein said pressurizing means comprises flexible means affixed to said cap, said flexible means defining an external chamber the volume of which can be reduced by the application of pressure on said flexible means and an entrance port connecting said external chamber and said internal chamber.
13. The device of Claim 12 further comprising a one-way valve associated with said entrance port.
14. The device of Claim 5 further comprising means for limiting the pressure in said internal chamber.
15. The device of Claim 14 wherein said pressure limiting means comprises a pressure relief valve.
16. The device of Claim 5 for use in combination with an external pressurization device.
17. The device of Claim 5 wherein said sealing means defines a second internal chamber with said cap wall, and means for venting said second internal chamber.
18. The device of Claim 17 wherein said venting means comprises an outlet port.
19. The device of Claim 18 wherein said venting means further comprises gas filtration means associated with said outlet port.

20. The device of Claim 19 wherein said gas filtration means comprises a filter element operatively imposed between said second internal chamber and said output port.
21. The device of Claim 5 wherein said cap wall edge adhering means comprises means for engaging said cap wall edge and means for adhering said edge engaging means to the tissue surrounding the stoma.
22. The device of Claim 21 wherein said edge engaging means comprises means for removeably engaging said cap wall edge.
23. The device of Claim 5 for use in combination with waste collection means.
24. The device of Claim 23 wherein said waste collection means comprises a collection pouch.
25. The device of Claim 23 wherein said waste collection means is situated between said cap and said edge adhering means.
26. The device of Claim 23 wherein said waste collection means is collapsible.
27. The device of Claim 23 wherein said waste collection means has an concertina-like configuration.
28. The device of Claim 23 wherein said waste collection means comprises a collection pouch, said pouch comprising first and second flexible walls sealed around the periphery, said first and second flexible walls being fixed between said cap wall said edge adhering means, respectively.
29. The device of Claim 28 wherein said collection pouch is elongated.
30. The device of Claim 6 wherein said membrane comprises circumferential pleats.